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|                        | •              |                  |      | Examiner Name        | Juanita D. Stephens                      |  |  |  |  |
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## U.S. PATENT DOCUMENTS

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| hadian   |     | Document Number |                          | Takeuchi et al. | 791 129        | 347          | -69          | 29/830      |
| <b>1</b> | AA  | 2002/0020057 A1 | 02-21-2002<br>11-07-1989 | Bartky et al.   |                | 341          | 69           |             |
| THE      | AB_ | 4,879,568       | 1107120                  |                 |                | -            | -            |             |
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## FOREIGN PATENT DOCUMENTS

| 06-20-2000<br>09-21-1999<br>03-13-2001<br>09-02-1998 | JP<br>JP<br>JP | B415<br>B415<br>B415 | 2/045<br>2/045<br>2/045<br>2/14 | JPO Machine<br>Translation  JPO Machine<br>Translation  JPO Machine<br>Translation | \( \times \)             |
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| 09-21-1999   | JP<br>JP       | B415<br>B40          | 2/045                           | Translation  JPO Machine   | <del></del>              |
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| 08-12-1997   | ЛР             | BYIJ                 | 2/045                           | JPO Machine<br>Translation   | "                        |
| 04-11-1988   | JP             | B28B                 | 11/12                           |  | <u> </u>                 |
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|  | 04-11-1988     | 04-11-1988 JP        | 04-11-1988 JP B28B              | 04-11-1988 JP B-38B 11/12  | 04-11-1988 JP B 8B /1/12 |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

|           |                  | Date Considered: 4/17/2065 |
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<sup>\*</sup>In accordance with the Notice dated July 11, 2003 on the PTO website, we are not enclosing copies of any of the U.S. references listed above.

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